

Preface

Congratulations on purchasing the MIDIPLUS-61 master MIDI controller keyboard. It is one of the finest products made of its kind after users of research into what customers require from a MIDI Controller. When using your MIDIPLUS-61 in conjunction with a computer and appropriate music software, you will be able to discover the wonderful world of Computer Music with a set of complete musical instruments from your sound card or workstation.

This manual is written to help you become familiar with the powerful features of the MIDIPLUS-61. Please read the manual carefully to discover all the features of your MIDIPLUS-61. After reading the manual, you will have a clear understanding of how to transmit different MIDI messages to other instruments and equipment. For ease of use of MIDI implementation, we strongly recommend you to have the manual at hand when you are using the keyboard, especially if you are new to the world of MIDI.

Main Feature

- *The MIDIPLUS-61 MIDI master controller keyboard provides 61 dynamic keys, which can draw 5V DC power directly from your PC sound card. Therefore, you don't need an external power-supply or batteries to activate your instrument when used with a PC.
- *MIDIPLUS-61 provides an optional 15 pin 5V DC adapter to connect to other MIDI devices or a Macintosh.
- *MIDIPLUS-61 can also use 6 pcs. of 6C size battery for portability.
- *To set up a MIDI connection of your MIDIPLUS-61 to your PC's sound card, your MIDIPLUS-61 comes with a unique 15 pin to 15 pin MIDI adapting cable. This cable connects your MIDIPLUS-61 keyboard to your PC sound card's Joystick port, which makes it simple to expand your system.
- *The MIDIPLUS-61 provides 2 MIDI OUT sockets for connecting to other MIDI devices such as sound modules or synthesizers as 2 separate MIDI OUT when you use 15 pin to 15 pin MIDI adapting cable to connect to PC.
- *There is also a socket for an optional sustain-footswitch.
- *Although the MIDIPLUS-61 has no built-in sound capabilities, it offers a great variety of useful MIDI functions.

Something you should know before using the MIDI Functions

MIDI is the acronym for *Musical Instrument Digital Interface*, which makes all digital musical instruments equipped this standardized interface able to exchange their MIDI data or “talk to each other”!

To explain how MIDI works on your instrument in more detail, the following illustrations will outline the MIDI functions of the MIDIPLUS-61, which allow you to connect the keyboard to other MIDI instruments. The versatile MIDI capability of the MIDIPLUS61 will offer you tremendous power in a MIDI environment.

Using the MIDI Functions:

1. Connecting the keyboard to other MIDI instruments:

To transmit MIDI data from your keyboard to other professional MIDI instruments, please purchase a MIDI cable and use it to connect the MIDI OUT jack of your MIDIPLUS-61 to the MIDI IN jack of the other instrument. Make sure that the MIDI "transmit" channel on your MIDIPLUS-61 matches the MIDI "receive" channel of the other instrument.

2. Please refer to the following diagram for the MIDI connection:

Default Setting of The MIDIPLUS-61

The MIDIPLUS-61 will always select the following values for their parameters when the power is turned on.

- *Transmit MIDI Channel no. 1.
- *Default Octave will be from C2(36) to C6(84)
- *Default After Touch value will be 0
- *Default Velocity value will be 0
- *Default Reverb Depth value will be 64
- *Default Pan Pot value will be 64
- *Default Volume value will be 127
- *Default CC Data value will be 0
- *Default CC no. value will be 0
- *Default Control Change (CC-00=0, CC-32=0) message will be transmitted.
- *Default Program Change (PG=1) message will be transmitted.

Part A. Operation panel:

1. Using the Pitch Bend Wheel:

The Pitch Bend wheel is used for raising or lowering the pitch of a voice during performance. The range of pitch values depends on the sound generator (sound card or module) being used. Please refer to the manuals of your devices for information on how to change the Pitch Bend range. To bend the pitch up, please move the wheel away from you. To bend the pitch down, please move the wheel towards you.

2. Using the Modulation Wheel:

It is very common to use the modulation wheel to change the intensity of effects: mainly Vibrato(pitch change), Tremolo(change the volume), and Modulation(change the tone). The Modulation wheel produces a vibrato effect shortly after the sound is generated. It is most effective for voice such as saxophone strings and oboe.

3. Data Entry Slide: This slide controller allows you to adjust the following parameters: Volume, Velocity, Chorus, Reverb, Pan pot, and Aftertouch directly from your keyboard directly.

4. MIDI / SELECT button: Use this button to select different MIDI commands on certain keys from your keyboard.

MIDIPLUS-61 provides several groups of MIDI commands as follows:

- a. MIDI Channels group : Pressing the MIDI/SELECT button and then pressing the MCH (MIDI Channel) key allows you to select the transmitting channel for your keyboard. The default Channel is 1 when the keyboard's power is turned on. Pressing the MIDI/SELECT button, MIDI Channel 2 & then the MIDI/SELECT button changes the MIDI transmit channel from 1 to 2.
- b. Assignment data entry group: Pressing the MIDI/SELECT button then pressing the key of aftertouch (or velocity, or reverb depth, or chorus depth, or pan pot, or volume, or CC data) and then moving the data entry slider, allows you to select the transmitting value of the function. For example, if you want to change the value of aftertouch : First, press MIDI/SELECT button and aftertouch key. Second, change the data entry slider to the value you want and finally press the MIDI/SELECT button again to finish the change.
- c. Octave group: By pressing the MIDI/SELECT button and the octave key, you will shift the active keyboard range one octave higher, or lower. For example, if you want to change the octave 2 octaves down : Press MIDI/SELECT button and -2 key then press MIDI/SELECT button to finish the change.

- d. Reset key: Pressing the MIDI/SELECT button and the Reset key will send out a message to return all external MIDI instruments to their default setting as well.
- e. . Control Change data entry by Numeric keypad: MIDIPLUS allows you to use the numeric keys to specify your Control Change DATA parameter instead of data entry slide. By pressing MIDI/SELECT button and CC data key & then the required number and finally the Enter key to finish. For example, if you want to make Control Change 7 as value 123. 1) Press MIDI/SELECT button; 2) press CC No.; 3) choose 7 on numeric keypad; 4) press enter key to specify Control Change as 7; 5) press CC data key; 6) press number key 1, 2, and 3; 7) press enter key to specify value 123 then press MIDI/SELECT button to finish this action. ***Please note: after you press enter key the LED display will show “---” to indicate that you pressed enter key and will not disappear until you press MIDI/SELECT button to finish your choice. After you press cancel key the LED display will show blank to indicate that you pressed cancel key and will not disappear until you press MIDI/SELECT button to finish your choice.***
- f. Program key: Pressing MIDI/SELECT button and the Program key & then numeric keys then enter key, you can select any patch number between 1 to 128. For example, if you want to change voice to 67 (TenoSax). Pressing MIDI/SELECT button and 67 on numeric keys then enter key and MIDI/SELECT button again to finish this action. ***Please note: after you press enter key the LED display will show “---” to indicate that you pressed enter key and will not disappear until you press MIDI/SELECT button to finish your choice. After you press***

cancel key the LED display will show blank to indicate that you pressed cancel key and will not disappear until you press MIDI/SELECT button to finish your choice.

Part B. Rear Panel:

1. Sustain jack: This jack allows you to connect an optional footswitch to the keyboard. When the footswitch is depressed, notes played on the keyboard will continuously sound as long as the footswitch is held back.
2. MIDI out jack: This standard MIDI jack is used to send MIDI messages to another MIDI instrument (such as sound module).
3. Midi / power port: this jack is used to connect the keyboard with sound card on the computer, to get power from your sound card and send MIDI messages directly to the sound card.
4. Power switch: The 3-way power switch turns the keyboard's power to external 5V power or Battery or power off. When the power is turned on, the keyboard will start at the default setting.

Specification

Model: MIDIPLUS-61

Keyboard	61 dynamic keys.
Simultaneous Note output (Reverse priority)	10 notes
Control switches	<p>MIDI Channel</p> <p>Reset Octave -2, -1, center , +1, +2 Program Change CC-00/CC-32(For GS Bank Selection), CC-No.(Generic CC Assignment)• CC-Data•</p> <p>Data Entry After Touch Assignment, Data Entry Velocity Assignment, Data Entry Reverb Send Level Assignment, Data Entry Chorus Send Level Assignment, Pan Pot Assignment(CC-10), Volume Assignment(CC-07)• CC-Data•</p> <p>Numerical Keys x10 Enter Cancel</p> <p>Pitch Bender Wheel, Modulation Wheel, Data Entry slide•</p>
External Control Terminals	2xMIDI Out (DIN), Sustain, Game port connect (for power and MIDI) Power SW.
Display	7 segment LED x 3
Weight	3 kg
Power source	DC 5V PC sound card Battery

MIDI Implementation Chart

Model: MIDIPLUS-61 Version: 1.0

Date: Mai 2000

Function	Transmitted	Recognized	Remarks
Basic Default	1	x	
Channel Changed	1-16	x	
Default	Mode 3	x	
Mode Messages	x	x	
Altered	*****	x	
Note	12-108	x	With Octave Change
Number True Voice	*****	x	
Velocity Note ON	o	x	
Note OFF	x	x	
After Key's	x	x	
Touch Ch's	o	x	
Pitch Bender	o	x	
Control Change	o	x	
Prog	1-128	x	
Change :True #	*****0-	x	
CC-00, CC-32	127		
System Exclusive	x	x	
System :Song Pos	x	x	
:Song Sel	x	x	
Common :Tune	x	x	
System :Clock	x	x	
Real Time :Commands	x	x	
Aux :Local ON/OFF	x	x	Send with Reset.
Mes- :All Notes OFF	o	x	
sage :Active Sense	o	x	Send with Reset.
:Reset	o	x	
Notes:			

o=Yes,x=No

MIDIPLUS-61 Owner's Manual

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